

Bid Document

Bid Details	
Bid End Date/Time	06-08-2020 11:00:00
Bid Opening Date/Time	06-08-2020 11:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	Indian Air Force
Office Name	*****
Total Quantity	10
Item Category	Camera for CCTV System
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
----------	----

ePBG Detail

Required	No
----------	----

Splitting

Bid splitting not applied.

Camera For CCTV System (10 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
CAMERA TYPE	Type of Camera Housing	BULLET CAMERA	BULLET CAMERA
	IP Camera	Yes	Yes

	PTZ Camera	No	No
IMAGE SENSOR	Image Sensor Type	CMOS	CMOS
	Image Sensor Size	0.34	1, 0.67, 0.5, 0.34, 0.357, 0.37, 0.4 Or higher
	Camera Image Sensing capacity (Picture Mode)	4MP	4MP
	Resolution	D1 (704 x 480 Pixel),HD (1280 x 720 Pixel),Full HD (1920 x 1080 Pixel)	D1 (704 x 480 Pixel), HD (1280 x 720 Pixel), Full HD (1920 x 1080 Pixel)
	Day/Night Capable	Yes	Yes
	IR illumination Range(mtr)	30	30
OPTICS	Lens Type	Fixed	*
	Focal Length(mm)	3.6	3.6
	Iris Control	Yes	*
	Focus Mode	Auto	*
VIDEO	Frame Rate (fps)	25	25, 30
	Video Compression	H.264,H.265,H.265+,MJPEG	*
	Video Streaming	Dual compressed stream	Dual compressed stream
PAN / TILT / ZOOM	Panning Range	NA	*
	Pan Speed (deg/sec)	NA	NA
	Tilt Range below horizontal (deg)	NA	*
	Tilt Range above horizontal (deg)	NA	*
	Tilt Speed (deg/sec)	NA	NA
	Optical Zoom	NA	NA
	Digital Zoom	16X	16X
AUDIO	Audio Support	No	No
	Audio Compression	NA	*
	Audio Streaming	NA	*
	Number of Audio Input Channel	NA	*
	Number of Audio Output Channel	NA	*
	External Microphone Support	No	*
ALARM	Alarm Support	No	No
	Number of Alarm Digital Input	NA	*
	Number of Alarm Relay Output	NA	*
	Pre/Post Alarm Buffer	No	*
SECURITY	Multi Level User ID/Password	Yes	*
	IP Address Filtering	Yes	*
	Encrypted Data Transmission	HTTPS (SSL/TSL)	*

PERFORMANCE	Minimum Illumination for Capturing Color Image	0.1	0.1, 0.05, 0.01 Or lower
	Electronic Shutter Speed(sec)	1/3 to 1/10000	*
	WDR (Wide Dynamic Range)	DWDR	120 dB, DWDR
	SNR (Signal to Noise Ratio)	50-60	50-60
	Auto Exposure	Auto Level Control	*
FEATURES	White Balance (Indoor/Out door/Manual Selectable)	Yes	*
	Auto Gain Control (On/Off selectable)	Yes	*
	Back Light Compensation	Yes	*
	Remote Administration (Remote configuration and status using web based tool)	Yes	*
	Remote System Update Over Network	Yes	*
	PC Client (PC application client with a channel recording feature support)	Yes	*
	Web Client (Viewer through HTTP system configuration)	Yes	*
	On Screen Display in English	Yes	*
	ONVIF Support	Yes	*
	Presets	0	*
	Group Touring	0	*
	Privacy Zones	4	*
NETWORK AND INTERFACE	Supported Protocols	UDP,SNMP,IGMP,DHCP,RTP, RSTP,HTTP,SMTP,FTP,ICMP, HTTPS,DNS,DDNS,RTSP,RTCP,NTP,UPnP,QoS,TCP/IP	*
	IP Support	Static,Dynamic	*
	Signal Processing	Digital Signal Process	*
	IPv6 ready	Yes	*
	Wireless	No	*
	Simultaneous Connections	20	*
STORAGE	On Board SD Card Support	No	*
	SD Card Memory(GB)	NA	*
HOUSING	Installation Type	Outdoor	Outdoor
	Material of the Housing construction	Alluminium	Alluminium
	Protection	IP67	*
	Vandal Resistant Housing	No	*
	If Yes, IK rating	NA	*
	Mounting bracket	Wall Mounted	*

	Weight	0.383	*
	Dimensions (mm x mm x mm)	-	*
POWER SUPPLY	Power Input	12 V DC,PoE	*
	Power Consumption	4.2	*
	Suitable Adapter Shall be Supplied to Make the Equipment Work on 230 V (+/- 10 %), 50 Hz	NA	*
OPERATING CONDITIONS	Operating Temperature Range	-20 to +50 deg C	*
	Relative Humidity Non Condensing (%)	95	*
WARRANTY / SERVICES	Warranty	4	4, 5 Or higher
	Time for Replacement of Defective Product During Warranty Period	48	12, 24, 36, 48 Or lower
	Supply of Compatible drivers and software included	Yes	*
ENVIRONMENTAL / CERTIFICATION	Availability of facility & infrastructure for verification of all parameters, features, and capability with Seller	Yes	*
	Availability of facility to test signal to noise ratio of camera at 0-01 lux	Yes	*
	Conformity to Dry Heat test at 55 degree C for 16 hours as per IS :9000 latest	Yes	*
	Conformity to Damp heat at 40 degree C - 95% RH (cyclic test): two cycles of 16+8 hours as per IS: 9000 latest	Yes	*
	Conformity to Cold test at -10 / -20 degree C for 4 hours as per IS: 9000 latest, as applicable	Yes	*
	BIS Registration for safety general requirements as per IS 13252 (Part 1):latest	Yes	*
	Availability of Type Test Report from Central Govt /NABL/ILAC accredited lab to prove conformity to specification	Yes	*
	Test Report Number and Date	-	*
	Name and Address of Test Lab	-	*
	Certification	FCC,CE	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	*****	*****JODHPUR	10	20

Bid Specific Additional Terms and Conditions

1. Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 4 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
2. Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
3. **Packing Material** The items will be supplied by the successful bidder in its original packing material and the packing material will not be returned. Weight of packing material will not be included in quantity supplied and only net weight of the items will be counted. The packing should be of standardized weights of appropriate size. Item will not be accepted in non-standardized weights. Packing Material. The items will be supplied by the successful bidder in its original packing material and the packing material will not be returned. Weight of packing material will not be included in quantity supplied and only net weight of the items will be counted. The packing should be of standardized weights of appropriate size. Item will not be accepted in non-standardized weights.
4. **Malicious Code Certificate:**

The seller should upload following certificate in the bid:-
(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-
(i) Inhibit the desires and designed function of the equipment.
(ii) Cause physical damage to the user or equipment during the exploitation.
(iii) Tap information resident or transient in the equipment/network.
(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.
5. The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price: STANDARD ACCESSORIES AS PER PRODUCT.
6. Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:
i) The Seller fails to comply with any material term of the Contract.
ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
iv) The Seller becomes bankrupt or goes into liquidation.
v) The Seller makes a general assignment for the benefit of creditors.
vi) A receiver is appointed for any substantial property owned by the Seller.
vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
7. **Nominated Inspection Agency:** On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance:
Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC): NIL
Post Receipt Inspection at consignee site before acceptance of stores: BY THE BUYER AT BUYER PREMISES
8. Scope of supply (Bid price to include all cost components) : Only supply of Goods

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---

